

METHOD FOR COATING METALLIC SURFACES AND USE OF THE SUBSTRATES COATED IN THIS MANNER

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Cited documents:

 DE4013483
 DE19500562
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Abstract of WO02070782

The invention relates to a method for coating metallic surfaces by a manganese-zinc phosphatizing process, using an aqueous phosphatizing solution, in which nickel is deliberately not added. Said method is characterized in that the zinc: manganese weight ratio of the phosphatizing solution is maintained in the region of between 0.05: 1 and 0.99: 1 and that the phosphatizing solution has the following contents: between 0.05 and 5 g/l zinc, between 0.075 and 5.2 g/l manganese and between 0.008 and 0.050 g/l copper and/or hexafluoride complexes of titanium, hafnium and/or zirconium totalling between 0.002 and 0.5 g/l, calculated as F6. The invention also relates to the use of the metal parts coated in this manner.

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